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Elexpuru, E. M. 1993–1995
Ellis, R. 3031–3036, 3037–3043
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Fernandez, M. D. 2744–2749
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Gospodinova, N. 4857–4858
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Hasegawa, H. 2208–2213, 475–487
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Heberer, D. P. 1429–1436
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Heinzel, J. 1563–1567
Helary, G. 1953–1958
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Khazanovich, T. N. 5208–5214
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Lebaudy, P. 1887–1892
Lecointe, J. P. 3226–3233
Lee, B. 526–535
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Lee. H. 4299–4303, 4250–4259
Lee, H. S. J. 1748–1755
Lee, K.-S. 4145–4151
Lee, M. 703–711, 675–684, 685–697
Lee, S.-H. 1922–1925
Lee, S.-T. 1437–1444
Lee, S. B. 2353–2363, 3691–3697
Lee, S. K. 3621–3626
Lee, T. C. 1860–1871
Lee, Y. 1200–1209, 4851–4856
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Lopez de Arbina, L. 4832–4837
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Lorente, J. 202–205, 3108–3115
Lu, C. L. 3525–3526
Lu, X. 958–962
Lucki, J. 4838–4844
Ludwig, B. W. 3343–3350
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Matsura, M. 3210–3214
Matsushita, Y. 2412–2415
Matsuura, T. 2934–2939, 4656–4658, 4805–4813
Matsuzawa, S. 2299–2306, 2581–2586
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McGrath, J. E. 526–535, 2277–2286, 5346–5347
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McHugh, A. J. 3670–3674
McHugh, M. A. 1922–1925
McKenna, G. B. 2103–2113
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McNamara, J. 3942–3950
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Mehmet-Alkan, A. A. 3527–3530
Meier, D. J. 3777–3782
Meijer, E. W. 3734–3738
Meilchen, M. A. 1922–1925
Meille, S. V. 2364–2369
Melenevskaya, E. Ya. 2542–2547
Melis, G. P. 1123–1126
Mellander, B.-E. 2778–2783
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Miles, I. S. 4493–4504
Miley, D. M. 4634–4646
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Miller, R. L. 1783–1784
Miloshev, S. 1543–1547
Milton, A. J. 4292–4298
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Miyaji, H. 2496–2501
Miyaka, H. 1579–1582
Miyamoto, Y. 2496–2501
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Mizukami, T. 4451–4456, 4457–4462
Mizuno, A. 57–61, 254–258, 259–263, 2229–2230
Mobbs, R. H. 1959–1962
Mohanty, B. 3611–3615
Mokhtar, S. M. 4320–4235
Mokreva, P. 4857–4858
Molaison, R. 1849–1854
Monkman, A. P. 4292–4298
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Morgan, R. J. 660–661, 725–727
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Moritani, Y. 2229–2230
Morlet-Savary, F. 4202–4206
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Mosges, G. 4425–4427
Moss, B. K. 1902–1908
Mostafa, A. E.-K. B. 4230–4235
Motamedi, F. 647–649, 1102–1104
Motobe, H. 2975–2980
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Muller, A. J. 2598–2604
Muller, J. 3536–3539
Mumby, S. J. 5105–5108
Munoz, M. E. 2007–2011
Muraglia, E. 3049–3054
Murakami, R. 1108–1109
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Nagai, K. 3060–3065, 5303–5308
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Nakata, S. 3210–3214, 3873–3877
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Negishi, K. 3016–3023
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Neo, M. K. 2012–2014, 3203–3209
Neoh, K. G. 2292–2298, 2857–2859
Nesterov, A. E. 619–622
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Nevin, A. 4141–4144
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Pang, S. 1949–1952
Paoli, M.-A. D. 4611–4616
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Pastor, J. M. 4199–4201
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Patel, C. K. 4569–4574
Patnaik, S. S. 4443–4450, 5115–5120, 5121–5127
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Pena, J. J. 2007–2011
Pendharkar, S. M. 1078–1082
Penfold, J. 4141–4144
Peniche, C. 4625–4629
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Point, J. J. 2263–2272, 2469–2474
Poletti, A. R. 2364–2369
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Polzonetti, G. 4401–4409
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Price, D. 373–378
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Price, G. J. 2224–2226, 4423–4424
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Ravanetti, G. P. 4343–4346
Ray, P. 744–754
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Read, B. E. 2689–2698
Recca, A. 1976–1981
Ree, M. 1228–1236
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Rempp, P. 3369–3374
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Roy, S. 2883–2890
Roychoudhury, A. 4737–4740
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Ruckenstein, E. 405–417, 1968–1975
Rudin, A. 1949–1952
Rueda, L. I. 3635–3638
Ruhlmann, D. 3569–3573
Ruhser, F. 2431–2436
Runt, J. 4643–4646
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Russell, T. P. 3382–3387
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Saeki, S. 577-584, 2382–2387
Saido, K. 3482–3486
Saijo, K. 1579–1582, 4152–4157
Saiter, J. M. 1887–1892
Saito, H. 3210–3214
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